



08-26-02

A34535-A-PCT-USA-A (070050.1866)

1631

RECEIVED
AUG 28 2002
PATENT
TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Fisher *et al.*
Serial No. : 09/991,452 Examiner : Marschel, A.
Filed : November 21, 2001 Group Art Unit: 1631
For : USE OF A MELANOMA DIFFERENTIATION ASSOCIATED
GENE (mda-7) FOR REVERSING A CANCEROUS
PHENOTYPE

#5
Plunkett
8/28/02

INFORMATION
DISCLOSURE
STATEMENT

EXPRESS MAIL LABEL NO. ET346775076US

August 23, 2002

Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants respectfully request that the citations relating to the above-mentioned application listed herein and on the accompanying PTO Form 1449 be made of record in the U.S. Patent and Trademark Office. Copies of the 57 citations listed in the accompanying PTO Form 1449 are enclosed. The Examiner's attention is invited to references marked with an asterisk (*), which are deemed to be particularly relevant.

- *1. U.S. Patent No. 5,710,137 (Fisher), issued January 20, 1998 and entitled "Use of a melanoma differentiation associated gene (mda 7) for reversing a cancerous phenotype."

- *2. U.S. Patent No. 5,643,761 (Fisher et al.) issued July 1, 1997 and entitled "Method for generating a subtracted cDNA library and uses of the generated library."
- 3. Jiang H, Lin J, Su ZZ, Fisher PB. The melanoma differentiation associated gene-6 (mda-6), which encodes the cyclin-dependent kinase inhibitor p21, may function as a negative regulator of human melanoma growth and progression. *Mol Cell Different* 1996;4:67-89.
- *4. Jiang H, Su ZZ, Lin JJ, Goldstein NI, Young CSH, Fisher PB. The melanoma differentiation associated gene mda-7 suppresses cancer cell growth. *Proc Natl Acad Sci USA* 1996;93:9160-9165.
- 5. Grana X, Reddy EP. Cell cycle control in mammalian cells: role of cyclins, cyclin dependent kinases (CDKs), growth suppressor genes and cyclin-dependent kinase inhibitors (CKIs). *Oncogene* 1995;11(2):211-219.
- *6. International Publication No. W095/11986, published May 4, 1995, corresponding to PCT Application No. PCT/US94/12160 by Fisher et al. entitled "Method for generating a subtracted cDNA library and uses thereof."
- *7. Jiang H, Lin JJ, Su ZZ, Goldstein NI, Fisher PB. Subtraction hybridization identifies a novel melanoma differentiation associated gene, mda-7, modulated during human melanoma differentiation, growth and progression. *Oncogene* 1995;11(12):2477-2486.
- 8. Jiang H, Lin J, Su ZZ, Herlyn M, Kerbel RS, Weissman BE, Welch DR, Fisher PB. The melanoma differentiation-associated gene mda-6, which encodes the cyclin-dependent kinase inhibitor p21, is differentially expressed during growth, differentiation, and progression in human melanoma cells. *Oncogene* 1995;10(9):1855-1864.

9. MacLachlan TK, Sang N, Giordano A. Cyclins, cyclin-dependent kinases and cdk inhibitors: implications in cell cycle control and cancer. *Crit Rev Eukaryot Gene Expr* 1995;5(2):127-156.
10. Medema RH, Herrera RE, Lam F, Weinberg RA. Growth suppression by p16ink4 requires functional retinoblastoma protein. *Proc Natl Acad Sci USA* 1995;92(14):6289-6293.
11. Sang N, Baldi A, Giordano A. The roles of tumor suppressors pRb and p53 in cell proliferation and cancer. *Mol Cell Different* 1995;3:1-29.
12. Shen R, Su ZZ, Olsson CA, Fisher PB. Identification of the human prostatic carcinoma oncogene PTI-1 by rapid expression cloning and differential RNA display. *Proc Natl Acad Sci USA* 1995;92(15):6778-6782.
13. Claudio PP, Howard CM, Baldi A, De Luca A, Fu Y, Condorelli G, Sun Y, Colburn N, Calabretta B, Giordano A. p130/pRb2 has growth suppressive properties similar to yet distinctive from those of retinoblastoma family members pRb and p107. *Cancer Res* 1994;54(21):5556-5560.
14. Falck-Pedersen E, Heinfliink M, Alvira M, Nussenzveig DR, Gershengorn MC. Expression of thyrotropin-releasing hormone receptors by adenovirus-mediated gene transfer reveals that thyrotropin-releasing hormone desensitization is cell specific. *Mol Pharmacol* 1994;45(4):684-689.
- *15. Jiang H, Lin J, Fisher PB. A molecular definition of terminal differentiation in human melanoma cells. *Mol Cell Different* 1994;2:221-239.
16. Lin J, Su ZZ, Grunberger D, Zimmer SG, Fisher PB. Expression of the transformed phenotype induced by diverse acting viral oncogenes mediates sensitivity to growth suppression induced by caffeic acid phenethyl ester (CAPE). *Int J Oncol* 1994;5:5-15.

17. Noda A, Ning Y, Venable SF, Pereira-Smith OM, Smith JR. Cloning of senescent cell-derived inhibitors of DNA synthesis using an expression screen. *Exp Cell Res* 1994;211(1):90-98.
18. Zhan Q, Lord KA, Alamo I Jr, Hollander MC, Carrier F, Ron D, Kohn KW, Hoffman B, Liebermann DA, Fornace AJ Jr. The gadd and MyD genes define a novel set of mammalian genes encoding acidic proteins that synergistically suppress cell growth. *Mol Cell Biol* 1994;14(4):2361-2371.
19. el-Deiry WS, Tokino T, Velculescu VE, Levy DB, Parsons R, Trent JM, Lin D, Mercer WE, Kinzler KW, Vogelstein B. WAF1, a potential mediator of p53 tumor suppression. *Cell*. 1993;75(4):817-825.
20. Harper JW, Adami GR, Wei N, Keyomarsi K, Elledge SJ. The p21 Cdk-interacting protein Cip1 is a potent inhibitor of G1 cyclin-dependent kinases. *Cell* 1993;75:805-816.
- *21. Jiang H, Fisher PB. Use of a sensitive and efficient subtraction hybridization protocol for the identification of genes differentially regulated during the induction of differentiation in human melanoma cells. *Mol Cell Different* 1993;1:285-299.
22. Knudson AG. Antioncogenes and human cancer. *Proc Natl Acad Sci USA* 1993;90(23):10914-10921.
23. Xiong Y, Hannon GJ, Zhang H, Casso D, Kobayashi R, Beach D. p21 is a universal inhibitor of cyclin kinases. *Nature* 1993;366:701-704.
24. Zhu L, van den Heuvel S, Helin K, Fattaey A, Ewen M, Livingston D, Dyson N, Harlow E. Inhibition of cell proliferation by p107, a relative of the retinoblastoma protein. *Genes Dev* 1993;7(7A):1111-1125.

25. Boylon J, Shih T, Fisher PB, Zimmer SG. Induction and progression of the transformed phenotype in cloned rat embryo fibroblast cells: studies employing type 5 adenovirus and wild-type and mutant *Ha-ras* oncogenes. *Mol Carcinog* 1992;5:118-128.
26. Del Sal G, Ruaro ME, Philipson L, Schneider C. The growth arrest-specific gene, *gas1*, is involved in growth suppression. *Cell* 1992 Aug 21;70(4):595-607.
27. Hara E, Yamaguchi T, Tahara H, Tsuyama N, Tsurui H, Ide T, Oda K. DNA-DNA subtractive cDNA cloning using oligo(dT)30-Latex and PCR: identification of cellular genes which are overexpressed in senescent human diploid fibroblasts. *Anal Biochem* 1993;214(1):58-64.
28. Leon JA, Gutierrez MC, Jiang H, Estabrook A, Waxman S, Fisher PB. Modulation of the antigenic phenotype of human breast carcinoma cells by modifiers of protein kinase C activity and recombinant human interferons. *Cancer Immunol Immunother* 1992;35(5):315-324.
29. Mercer WE. Cell cycle regulation and the p53 tumor suppressor protein. *Crit Rev Eukaryot Gene Expr* 1992;2(3):251-263.
30. Momand J, Zambetti GP, Olson DC, George D, Levine AJ. The mdm-2 oncogene product forms a complex with the p53 protein and inhibits p53-mediated transactivation. *Cell* 1992;69(7):1237-1245.
31. Su ZZ, Olsson CA, Zimmer SG, Fisher PB. Transfer of a dominant-acting tumor-inducing oncogene from human prostatic carcinoma cells to cloned rat embryo fibroblast cells by DNA-transfection. *Anticancer Res* 1992;12(2):297-304.
32. Abdollahi A, Lord KA, Hoffman-Liebermann B, Liebermann DA. Sequence and expression of a cDNA encoding MyD118: a novel myeloid differentiation

- primary response gene induced by multiple cytokines. *Oncogene* 1991;6(1):165-167.
33. Bishop JM. Molecular themes in oncogenesis. *Cell* 1991;64(2):235-248.
 34. Hara E, Kato T, Nakada S, Sekiya S, Oda K. Subtractive cDNA cloning using oligo(dT)30-latex and PCR: isolation of cDNA clones specific to undifferentiated human embryonal carcinoma cells. *Nucleic Acids Res* 1991;19(25):7097-7104.
 35. Herfort MR, Garber AT (1991). Simple and efficient subtractive hybridization screening. *Biotechniques* 1991;11(5):598, 600, 602-604.
 36. Lee SW, Tomasetto C, Sager R. Positive selection of candidate tumor-suppressor genes by subtractive hybridization. *Proc Natl Acad Sci USA* 1991;88(7):2825-2829.
 37. Baker SJ, Markowitz S, Fearon ER, Willson JK, Vogelstein B. Suppression of human colorectal carcinoma cell growth by wild-type p53. *Science* 1990;249(4971):912-915.
 38. Bookstein R, Shew JY, Chen PL, Scully P, Lee WH. Suppression of tumorigenicity of human prostate carcinoma cells by replacing a mutated RB gene. *Science* 1990;247(4943):712-715.
 39. Wieland I, Bolger G, Asouline G, Wigler M. A method for difference cloning: Gene amplification following subtractive hybridization" *Proc Natl Acad Sci USA* 1990;87(7):2720-2724.
 40. Bos JL. ras oncogenes in human cancer: a review. *Cancer Res* 1989;49(17):4682-4689.
 41. Kantor J, Tran R, Greiner J, Pestka S, Fisher PB, Shively JE, Schlom J. Modulation of carcinoembryonic antigen messenger RNA levels in human colon

- carcinoma cells by recombinant human gamma-interferon. *Cancer Res* 1989;49(10):2651-2655.
42. Kitayama H, Sugimoto Y, Matsuzaki T, Ikawa Y, Noda M. A ras-related gene with transformation suppressor activity. *Cell* 1989;56(1):77-84.
 43. Leon JA, Mesa-Tejada R, Gutierrez MC, Estabrook A, Greiner JW, Schlom J, Fisher PB. Increased surface expression and shedding of tumor associated antigens by human breast carcinoma cells treated with recombinant human interferons or phorbol ester tumor promoters. *Anticancer Res* 1989;9:1639-1647.
 44. Noda M, Kitayama H, Matsuzaki T, Sugimoto Y, Okayama H, Bassin RH, Ikawa Y. Detection of genes with a potential for suppressing the transformed phenotype associated with activated ras genes. *Proc Natl Acad Sci USA* 1989;86(1):162-166.
 45. Duguid JR, Rohwer RG, Seed B. Isolation of cDNAs of scrapie-modulated RNAs by subtractive hybridization of a cDNA library. *Proc Natl Acad Sci USA* 1988;85(15):5738-5742.
 46. Fornace AJ Jr, Alamo I Jr, Hollander MC. DNA damage-inducible transcripts in mammalian cells. *Proc Natl Acad Sci USA* 1988;85(23):8800-8804.
 47. McGrory WJ, Bautista DS, Graham FL. A simple technique for the rescue of early region I mutations into infectious human adenovirus type 5. *Virology* 1988;163(2):614-617.
 48. Schneider C, King RM, Philipson L. Genes specifically expressed at growth arrest of mammalian cells. *Cell* 1988;54(6):787-793.
 49. Sive HL, St John T. A simple subtractive hybridization technique employing photoactivatable biotin and phenol extraction. *Nucleic Acids Res* 1988;16(22):10937.

50. Travis GH, Sutcliffe JG. Phenol emulsion-enhanced DNA-driven subtractive cDNA cloning: Isolation of low-abundance monkey cortex-specific mRNAs. *Proc Natl Acad Sci USA* 1988;85(5):1696-1700.
51. Barbacid M. ras genes. *Annu Rev Biochem* 1987;56:779-827.
52. Fisher PB. In *Tumor Promotion and Cocarcinogenesis In Vitro: Mechanisms of Tumor Promotion*, ed. Slaga TJ (CRC, Boca Ration, FL), pp. 57-123, 1984.
53. Volkert FC, Young CSH. The genetic analysis of recombination using adenovirus overlapping terminal DNA fragments. *Virology* 1983;125(1):175-193.
54. Fisher PB, Babiss LE, Weinstein IB, Ginsberg HS. Analysis of type 5 adenovirus transformation with a cloned rat embryo cell line (CREF). *Proc Natl Acad Sci USA* 1982;79(11):3527-3531.
55. Maniatis, T., et al. (1982) "Strategies for cDNA cloning" Molecular Cloning: A Laboratory Manual, Cold Spring Harbor Laboratory, 224-228.
56. Grodzicker T, Klessig DF. Expression of unselected adenovirus genes in human cells co-transformed with the HSV-1 tk gene and adenovirus 2 DNA. *Cell* 1980;21(2):453-463.
57. Graham FL, Smiley J, Russell WC, Nairn R. Characteristics of a human cell line transformed by DNA from human adenovirus type 5. *J Gen Virol* 1977;36(1):59-72.

The submission of this Information Disclosure Statement does not represent that a search has been made or that no better art exists and does not constitute an admission that any of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants

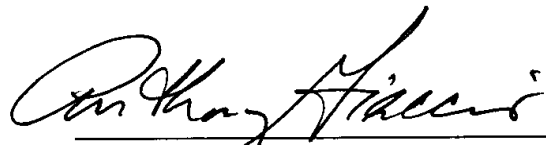
determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

This Information Disclosure Statement is being filed, Applicants believe, before the mailing date of a first Office Action on the merits for the above-referenced application. Therefore, Applicants do not believe that any fee is due connection with the filing of this Statement. However, if any fee is due or overpayment made, the Commissioner is authorized to charge any such fee, and to credit any overpayment, to our Deposit Account No. 02-4377. Two copies of this communication are enclosed.

Respectfully submitted,

BAKER BOTTS L.L.P.



Lisa B. Kole
Patent Office Reg. No. 35,225

Anthony Giaccio
Patent Office Reg. No. 39,684
Attorney for Applicants
(212) 408-2628

Enclosures

Atty. Docket No.
A34535-A-PCT-USA-A
(070050.1866)

Serial No.
09/991,452

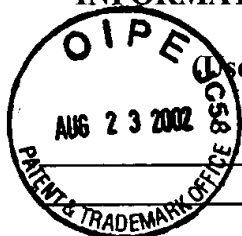
**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

(Use several sheets if necessary)

Applicant
Fisher et al.

Filing Date
November 21, 2001

Group
1631



RECEIVED
 AUG 9 8 2002
 TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
*1.	5 6 4 3 7 6 1	07/01/97	Fisher			
*2.	5 7 1 0 1 3 7	01/20/98	Fisher			

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Class	Subclass	Translation No
*6. ✓ W O 9 5 1 1 9 8 6	5/4/95	WIPO			

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

3.	✓	Jiang H, Lin J, Su ZZ, Fisher PB. The melanoma differentiation associated gene-6 (mda-6), which encodes the cyclin-dependent kinase inhibitor p21, may function as a negative regulator of human melanoma growth and progression. Mol Cell Different 1996;4:67-89.
*4.	✓	Jiang H, Su ZZ, Lin JJ, Goldstein NI, Young CSH, Fisher PB. The melanoma differentiation associated gene mda-7 suppresses cancer cell growth. Proc Natl Acad Sci USA 1996;93:9160-9165.
5.	✓	Grana X, Reddy EP. Cell cycle control in mammalian cells: role of cyclins, cyclin dependent kinases (CDKs), growth suppressor genes and cyclin-dependent kinase inhibitors (CKIs). Oncogene 1995;11(2):211-219.
*7.	✓	Jiang H, Lin JJ, Su ZZ, Goldstein NI, Fisher PB. Subtraction hybridization identifies a novel melanoma differentiation associated gene, mda-7, modulated during human melanoma differentiation, growth and progression. Oncogene 1995;11(12):2477-2486.
8.	✓	Jiang H, Lin J, Su ZZ, Herlyn M, Kerbel RS, Weissman BE, Welch DR, Fisher PB. The melanoma differentiation-associated gene mda-6, which encodes the cyclin-dependent kinase inhibitor p21, is differentially expressed during growth, differentiation, and progression in human melanoma cells. Oncogene 1995;10(9):1855-1864.
9.	✓	MacLachlan TK, Sang N, Giordano A. Cyclins, cyclin-dependent kinases and cdk inhibitors: implications in cell cycle control and cancer. Crit Rev Eukaryot Gene Expr 1995;5(2):127-156.
10.	✓	Medema RH, Herrera RE, Lam F, Weinberg RA. Growth suppression by p16ink4 requires functional retinoblastoma protein. Proc Natl Acad Sci USA 1995;92(14):6289-6293.

NY02:367095.1

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Atty. Docket No.
A34535-A-PCT-USA-A
(070050.1866)

Serial No.
09/991,452

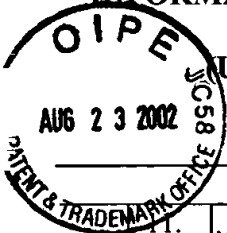
Applicant
Fisher et al.

Filing Date
November 21, 2001

Group
1631

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

(Use several sheets if necessary)



RECEIVED
AUG 23 2002
TECH CENTER 1600/2900

11.	✓	Sang N, Baldi A, Giordano A. The roles of tumor suppressors pRb and p53 in cell proliferation and cancer. Mol Cell Different 1995;3:1-29.
12.	✓	Shen R, Su ZZ, Olsson CA, Fisher PB. Identification of the human prostatic carcinoma oncogene PTI-1 by rapid expression cloning and differential RNA display. Proc Natl Acad Sci USA 1995;92(15):6778-6782.
13.	✓	Claudio PP, Howard CM, Baldi A, De Luca A, Fu Y, Condorelli G, Sun Y, Colburn N, Calabretta B, Giordano A. p130/pRb2 has growth suppressive properties similar to yet distinctive from those of retinoblastoma family members pRb and p107. Cancer Res 1994;54(21):5556-5560.
14.	✓	Falck-Pedersen E, Heinfliink M, Alvira M, Nussenzweig DR, Gershengorn MC. Expression of thyrotropin-releasing hormone receptors by adenovirus-mediated gene transfer reveals that thyrotropin-releasing hormone desensitization is cell specific. Mol Pharmacol 1994;45(4):684-689.
*15	✓	Jiang H, Lin J, Fisher PB. A molecular definition of terminal differentiation in human melanoma cells. Mol Cell Different 1994;2:221-239.
16.	✓	Lin J, Su ZZ, Grunberger D, Zimmer SG, Fisher PB. Expression of the transformed phenotype induced by diverse acting viral oncogenes mediates sensitivity to growth suppression induced by caffeic acid phenethyl ester (CAPE). Int J Oncol 1994;5:5-15.
17.	✓	Noda A, Ning Y, Venable SF, Pereira-Smith OM, Smith JR. Cloning of senescent cell-derived inhibitors of DNA synthesis using an expression screen. Exp Cell Res 1994;211(1):90-98.
18.	✓	Zhan Q, Lord KA, Alamo I Jr, Hollander MC, Carrier F, Ron D, Kohn KW, Hoffman B, Liebermann DA, Fornace AJ Jr. The gadd and MyD genes define a novel set of mammalian genes encoding acidic proteins that synergistically suppress cell growth. Mol Cell Biol 1994;14(4):2361-2371.
19.	✓	el-Deiry WS, Tokino T, Velculescu VE, Levy DB, Parsons R, Trent JM, Lin D, Mercer WE, Kinzler KW, Vogelstein B. WAF1, a potential mediator of p53 tumor suppression. Cell. 1993;75(4):817-825.
20.	✓	Harper JW, Adami GR, Wei N, Keyomarsi K, Elledge SJ. The p21 Cdk-interacting protein Cip1 is a potent inhibitor of G1 cyclin-dependent kinases. Cell 1993;75:805-816.
*21	✓	Jiang H, Fisher PB. Use of a sensitive and efficient subtraction hybridization protocol for the identification of genes differentially regulated during the induction of differentiation in human melanoma cells. Mol Cell Different 1993;1:285-299.
22.	✓	Knudson AG. Antioncogenes and human cancer. Proc Natl Acad Sci USA 1993;90(23):10914-10921.
23.	✓	Xiong Y, Hannon GJ, Zhang H, Casso D, Kobayashi R, Beach D. p21 is a universal inhibitor of cyclin kinases. Nature 1993;366:701-704.

NY02:367095.1

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Atty. Docket No.
A34535-A-PCT-USA-A
(070050.1866)

Serial No.
09/991,452

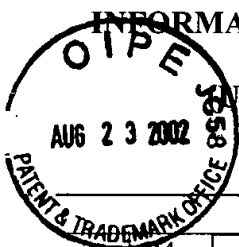
Applicant
Fisher et al.

Filing Date
November 21, 2001

Group
1631

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

(Use several sheets if necessary)



RECEIVED
AUG 28 2002
TECH CENTER 1000/2900

24.	✓	Zhu L, van den Heuvel S, Helin K, Fattaey A, Ewen M, Livingston D, Dyson N, Harlow E. Inhibition of cell proliferation by p107, a relative of the retinoblastoma protein. Genes Dev 1993;7(7A):1111-1125.
25.	✓	Boylon J, Shih T, Fisher PB, Zimmer SG. Induction and progression of the transformed phenotype in cloned rat embryo fibroblast cells: studies employing type 5 adenovirus and wild-type and mutant Ha-ras oncogenes. Mol Carcinog 1992;5:118-128.
26.	✓	Del Sal G, Ruaro ME, Philipson L, Schneider C. The growth arrest-specific gene, gas1, is involved in growth suppression. Cell 1992 Aug 21;70(4):595-607.
27.	✓	Hara E, Yamaguchi T, Tahara H, Tsuyama N, Tsurui H, Ide T, Oda K. DNA-DNA subtractive cDNA cloning using oligo(dT)30-Latex and PCR: identification of cellular genes which are overexpressed in senescent human diploid fibroblasts. Anal Biochem 1993;214(1):58-64.
28.	✓	Leon JA, Gutierrez MC, Jiang H, Estabrook A, Waxman S, Fisher PB. Modulation of the antigenic phenotype of human breast carcinoma cells by modifiers of protein kinase C activity and recombinant human interferons. Cancer Immunol Immunother 1992;35(5):315-324.
29.	✓	Mercer WE. Cell cycle regulation and the p53 tumor suppressor protein. Crit Rev Eukaryot Gene Expr 1992;2(3):251-263.
30.	✓	Momand J, Zambetti GP, Olson DC, George D, Levine AJ. The mdm-2 oncogene product forms a complex with the p53 protein and inhibits p53-mediated transactivation. Cell 1992;69(7):1237-1245.
31.	✓	Su ZZ, Olsson CA, Zimmer SG, Fisher PB. Transfer of a dominant-acting tumor-inducing oncogene from human prostatic carcinoma cells to cloned rat embryo fibroblast cells by DNA-transfection. Anticancer Res 1992;12(2):297-304.
32.	✓	Abdollahi A, Lord KA, Hoffman-Liebermann B, Liebermann DA. Sequence and expression of a cDNA encoding MyD118: a novel myeloid differentiation primary response gene induced by multiple cytokines. Oncogene 1991;6(1):165-167.
33.	✓	Bishop JM. Molecular themes in oncogenesis. Cell 1991;64(2):235-248.
34.	✓	Hara E, Kato T, Nakada S, Sekiya S, Oda K. Subtractive cDNA cloning using oligo(dT)30-latex and PCR: isolation of cDNA clones specific to undifferentiated human embryonal carcinoma cells. Nucleic Acids Res 1991;19(25):7097-7104.
35.	✓	Herfort MR, Garber AT (1991). Simple and efficient subtractive hybridization screening. Biotechniques 1991;11(5):598, 600, 602-604.
36.		Lee SW, Tomasetto C, Sager R. Positive selection of candidate tumor-suppressor genes by subtractive hybridization. Proc Natl Acad Sci USA 1991;88(7):2825-2829.

NY02:367095.1

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Atty. Docket No.
A34535-A-PCT-USA-A
(070050.1866)

Serial No.
09/991

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

(Use several sheets if necessary)

Applicant
Fisher et al.

Filing Date
November 21, 2001

Group
1631

RECEIVED
AUG 2 2001
TECH CENTER
1600/2900



	<input checked="" type="checkbox"/>	Baker SJ, Markowitz S, Fearon ER, Willson JK, Vogelstein B. Suppression of human colorectal carcinoma cell growth by wild-type p53. Science 1990;249(4971):912-915.
38.	<input checked="" type="checkbox"/>	Bookstein R, Shew JY, Chen PL, Scully P, Lee WH. Suppression of tumorigenicity of human prostate carcinoma cells by replacing a mutated RB gene. Science 1990;247(4943):712-715.
39.	<input checked="" type="checkbox"/>	Wieland I, Bolger G, Asouline G, Wigler M. A method for difference cloning: Gene amplification following subtractive hybridization" Proc Natl Acad Sci USA 1990;87(7):2720-2724.
40.	<input checked="" type="checkbox"/>	Bos JL. ras oncogenes in human cancer: a review. Cancer Res 1989;49(17):4682-4689.
41.	<input checked="" type="checkbox"/>	Kantor J, Tran R, Greiner J, Pestka S, Fisher PB, Shively JE, Schlom J. Modulation of carcinoembryonic antigen messenger RNA levels in human colon carcinoma cells by recombinant human gamma-interferon. Cancer Res 1989;49(10):2651-2655.
42.	<input checked="" type="checkbox"/>	Kitayama H, Sugimoto Y, Matsuzaki T, Ikawa Y, Noda M. A ras-related gene with transformation suppressor activity. Cell 1989;56(1):77-84.
43.	<input checked="" type="checkbox"/>	Leon JA, Mesa-Tejada R, Gutierrez MC, Estabrook A, Greiner JW, Schlom J, Fisher PB. Increased surface expression and shedding of tumor associated antigens by human breast carcinoma cells treated with recombinant human interferons or phorbol ester tumor promoters. Anticancer Res 1989;9:1639-1647.
44.	<input checked="" type="checkbox"/>	Noda M, Kitayama H, Matsuzaki T, Sugimoto Y, Okayama H, Bassin RH, Ikawa Y. Detection of genes with a potential for suppressing the transformed phenotype associated with activated ras genes. Proc Natl Acad Sci USA 1989;86(1):162-166.
45.	<input checked="" type="checkbox"/>	Duguid JR, Rohwer RG, Seed B. Isolation of cDNAs of scrapie-modulated RNAs by subtractive hybridization of a cDNA library. Proc Natl Acad Sci USA 1988;85(15):5738-5742.
46.	<input checked="" type="checkbox"/>	Fornace AJ Jr, Alamo I Jr, Hollander MC. DNA damage-inducible transcripts in mammalian cells. Proc Natl Acad Sci USA 1988;85(23):8800-8804.
47.	<input checked="" type="checkbox"/>	McGrory WJ, Bautista DS, Graham FL. A simple technique for the rescue of early region I mutations into infectious human adenovirus type 5. Virology 1988;163(2):614-617.
48.	<input checked="" type="checkbox"/>	Schneider C, King RM, Philipson L. Genes specifically expressed at growth arrest of mammalian cells. Cell 1988;54(6):787-793.
49.	<input checked="" type="checkbox"/>	Sive HL, St John T. A simple subtractive hybridization technique employing photoactivatable biotin and phenol extraction. Nucleic Acids Res 1988;16(22):10937.

NY02:367095.1

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Atty. Docket No.
A34535-A-PCT-USA-A
(070050.1866)

Serial No.
09/991,452

Applicant
Fisher et al.

Filing Date
November 21, 2001

Group
1631

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

RECEIVED
AUG 28 2002
TECH CENTER 1600/28001

50.	✓	Travis GH, Sutcliffe JG. Phenol emulsion-enhanced DNA-driven subtractive cDNA cloning: Isolation of low-abundance monkey cortex-specific mRNAs. <i>Proc Natl Acad Sci USA</i> 1988;85(5):1696-1700.
51.	✓	Barbacid M. ras genes. <i>Annu Rev Biochem</i> 1987;56:779-827.
52.	✓	Fisher PB. In <i>Tumor Promotion and Cocarcinogenesis In Vitro: Mechanisms of Tumor Promotion</i> , ed. Slaga TJ (CRC, Boca Ration, FL), pp. 57-123, 1984.
53.	✓	Volkert FC, Young CSH. The genetic analysis of recombination using adenovirus overlapping terminal DNA fragments. <i>Virology</i> 1983;125(1):175-193.
54.	✓	Fisher PB, Babiss LE, Weinstein IB, Ginsberg HS. Analysis of type 5 adenovirus transformation with a cloned rat embryo cell line (CREF). <i>Proc Natl Acad Sci USA</i> 1982;79(11):3527-3531.
55.	✓	Maniatis, T., et al. (1982) "Strategies for cDNA cloning" <u>Molecular Cloning: A Laboratory Manual</u> , Cold Spring Harbor Laboratory, 224-228.
56.	✓	Grodzicker T, Klessig DF. Expression of unselected adenovirus genes in human cells co-transformed with the HSV-1 tk gene and adenovirus 2 DNA. <i>Cell</i> 1980;21(2):453-463.
57.	✓	Graham FL, Smiley J, Russell WC, Nairn R. Characteristics of a human cell line transformed by DNA from human adenovirus type 5. <i>J Gen Virol</i> 1977;36(1):59-72.

NY02:367095.1

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.